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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/759,111	01/20/2004	Yuichi Ishimoto	36856.1197	6945
35510	7590	07/13/2005	EXAMINER	
KEATING & BENNETT, LLP 10400 EATON PLACE SUITE 312 FAIRFAX, VA 22030			EVANISKO, LESLIE J	
			ART UNIT	PAPER NUMBER
			2854	

DATE MAILED: 07/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/759,111

Applicant(s)

ISHIMOTO ET AL

Examiner

Leslie J. Evanisko

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 11 May 2005.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) 12-21 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4 and 6-11 is/are rejected.
- 7) ☒ Claim(s) 5 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 January 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>01-20-2004</u> . | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Election/Restrictions***

1. Applicant's election without traverse of Species I, Figures 1-12, claims 1-11 in the reply filed on April 11, 2005 is acknowledged.
2. Claims 12-21 have been withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on April 11, 2005.

### ***Priority***

3. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

### ***Drawings***

4. The drawings are objected to because of the following informalities:

With respect to Figure 6, reference numeral 22 appears to be designating a different piece of structure than the first camera as reference numeral 22 is defined in the specification (for example, page 13, line 2) and shown in the other Figures. It appears from the description at the bottom of page 12 that the piece of structure being designated may actually be a reciprocating drive source as described. Appropriate correction and/or clarification is required.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as “amended.” If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either “Replacement Sheet” or “New Sheet” pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

### ***Claim Objections***

5. Claims 4, 5, 7 and 9 are objected to because of the following informalities:

With respect to claim 5, the phrase “for determining the position of the second print mark” has no proper antecedent basis and is somewhat confusing

since the position of the second print mark has not been previously recited in claim 1. It appears that perhaps applicant intended for claim 5 to depend upon claim 4 since claim 4 provides a recitation of the second print mark position.

With respect to claim 4, in line 7, it is suggested that the term --of-- be inserted after "comparison" to provide less awkward claim language.

Appropriate correction and/or clarification is required.

***Claim Rejections - 35 USC § 102***

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

((a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

7. Claims 1-4 and 6-11 rejected under 35 U.S.C. 102(a) as being anticipated by Takashima et al. (JP 2003-133167). Takashima et al. teach a method for manufacturing a ceramic electronic component comprising the steps as recited including a first gravure printing step (i.e., internal electrode pattern printing), a second gravure printing step (i.e., level difference dissolution dielectric printing), a first print mark (pattern 52 in Figure 5 or mark 61 in Figures 1-4) being formed in the first gravure printing step,

comparing the position of the first print mark with a desired position of the first print mark, and performing the second gravure printing step in accordance with the result of the comparison of the position of the first print mark formed in the first printing step and the desired position of the first print mark. Particular attention is invited to the prior art embodiment shown in Figure 5 and described in paragraphs [0010]-[0015] and the embodiment shown in Figure 4 and described in paragraphs [0049]-[0051] of the partial English language translation attached to this Office Action.

With respect to claim 2, note Takashima et al. teach the second gravure printing step is performed either during or after adjustment of the green sheet 1 at least in one of the width or length directions thereof by movement of compensator roll 3.

With respect to claim 3, note Takashima et al. teach a first imaging device 5 and image processing device are used to determine the position of the first print mark.

With respect to claim 4, note the embodiment shown in Figure 4 of Takashima et al. which provides one compact printing unit in which the printing drums are exchanged and the sheet is run through twice to provide the complete print would inherently include printing first and second print marks 61, 62 and comparing the desired positions of the print marks with the actual positions and subsequent printing operations would be adjusted based upon the comparison of the actual and desired marks.

With respect to claims 6-9, note the first print mark 61 and second print mark 62 are triangular and thereby have dimensions that changes along the width of the green sheet.

With respect to claims 10-11, note Takashima et al. teach the first paste is conductive paste and the second paste is slurry comprising a dielectric powder and an organic binder, which can broadly be considered to be “conductive” to some extent.

Applicant cannot rely upon the foreign priority papers to overcome this rejection because a translation of said papers has not been made of record in accordance with 37 CFR 1.55. See MPEP § 201.15.

***Allowable Subject Matter***

8. Claim 5 is objected to for the reason set forth above as well as for being dependent upon a rejected base claim, but would be allowable if rewritten to overcome the above objections to the satisfaction of the Examiner and in independent form including all of the limitations of the base claim and any intervening claims.

9. The following is a statement of reasons for the indication of allowable subject matter: The prior art of record fails to teach or fairly suggest a method for manufacturing a ceramic electronic component comprising all of the method steps as recited, in combination with and particularly including, the

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position of the second print mark being determined by detecting a second print-mark printing element provided on a plate cylinder.

### ***Conclusion***

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Nomura et al. (JP 2004-63766 A) and Kobayashi et al. (US 5,935,365) each teach a gravure printing method having obvious similarities to the claimed subject matter.


11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Leslie J. Evanisko** whose telephone number is **(571) 272-2161**. The examiner can normally be reached on M-Th 7:30 am-6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew H. Hirshfeld can be reached on (571) 272-2168. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.



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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Leslie J. Evanisko  
Primary Examiner  
Art Unit 2854

lje  
July 11, 2005